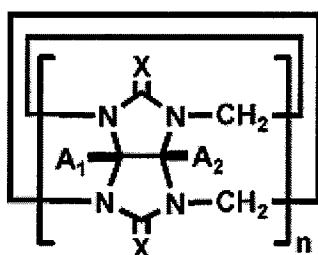


Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

What is claimed is:

1. (Original) Nanoparticles prepared by the aggregation of cucurbituril derivatives of Formula 1 below and having a particle size of 1 to 1,000 nm:



(1)

wherein X is O, S, or NH;

A₁ and A₂ are respectively OR¹ and OR², SR¹ and SR², or NHR¹ and NHR²;

R¹ and R² are each independently selected from the group consisting of hydrogen, a substituted or unsubstituted alkyl of C₁-C₃₀, a substituted or unsubstituted alkenyl of C₂-C₃₀, a substituted or unsubstituted alkynyl of C₂-C₃₀, a substituted or unsubstituted carbonylalkyl of C₂-C₃₀, a substituted or unsubstituted thioalkyl of C₁-C₃₀, a substituted or unsubstituted alkylthiol of C₁-C₃₀, a substituted or unsubstituted alkoxy of C₁-C₃₀, a substituted or unsubstituted hydroxyalkyl of C₁-C₃₀, a substituted or unsubstituted alkylsilyl of C₁-C₃₀, a substituted or unsubstituted aminoalkyl of C₁-C₃₀, a substituted or unsubstituted aminoalkylthioalkyl of C₁-C₃₀, a substituted or unsubstituted cycloalkyl of C₅-C₃₀, a substituted or unsubstituted heterocycloalkyl of C₂-C₃₀, a substituted or unsubstituted aryl of C₆-C₃₀, a substituted or unsubstituted arylalkyl of C₆-C₂₀, a substituted or unsubstituted heteroaryl of C₄-C₃₀, and a substituted or unsubstituted heteroarylalkyl of C₄-C₂₀; and

n is an integer of 4 to 20.

2. (Original) The nanoparticles of claim 1 prepared by the aggregation of a biodegradable polymer in addition to the cucurbituril derivatives.

3. (Original) The nanoparticles of claim 2, wherein the biodegradable polymer is poly(lactide-co-glycolide) (PLGA), polyethyleneglycol (PEG), poly(alkylcyanoacrylate), poly- ϵ -caprolactone, cellulose derivative, albumin, gelatin, alginate, or a mixture thereof.

4. (Previously presented) A pharmaceutical composition in which a pharmaceutically active substance as a guest molecule is loaded into the nanoparticles of claim 1.

5. (Canceled)

6. (Currently amended) The pharmaceutical composition of claim ~~[[5]]~~ 4, wherein ~~the organic compound~~ said pharmaceutically active substance is hydrocortisone, prednisolone, spironolactone, testosterone, megestrol acetate, danazole, progesterone, indomethacin, amphotericin B, or a mixture thereof.

7. (Currently amended) The pharmaceutical composition of claim ~~[[5]]~~ 4, wherein ~~the protein~~ said pharmaceutically active substance is human growth hormone, G-CSF (granulocyte colony-stimulating factor), GM-CSF (granulocyte-macrophage colony-stimulating factor), erythropoietin, vaccine, antibody, insulin, glucagon, calcitonin, ACTH (adrenocorticotrophic hormone), somatostatin, somatotropin, somatomedin, parathyroid hormone, thyroid hormone, hypothalamus secretion, prolactin, endorphin, VEGF (vascular endothelial growth factor), enkephalin, vasopressin, nerve growth factor, non-naturally occurring opioid, interferon, asparaginase, alginase, superoxide dismutase, trypsin, chymotrypsin, pepsin, or a mixture thereof.

8-12. (Canceled).